

**Company Name**

**COMPACT ORBITAL GEARS LTD**

**Date 26 May 2009**

**KEY PRODUCTS**



**KEY CUSTOMERS**

- GOODRICH POWER SYSTEMS
- ROLLS ROYCE
- WESTLAND HELICOPTERS
- AERO ENGINE CONTROLS

**CAPABILITIES**

COG offers a service covering the design, manufacture and testing of gears, gear trains and complete gear transmissions and test rigs. We are highly competitive on special purpose and small batch requirements and can offer gearing to suit any of your requirements. Bespoke gearing *is* our business.

Aerospace applications are our speciality. COG epicyclic gearboxes employ a flexible load-sharing device, which simplifies design and ensures balanced tooth loading and reduces size. Smaller, lighter and more efficient, these features enable units to run reliably at the high rotational speeds required by the aerospace industry up to 120,000 rpm. Technical advantage and cost reduction can be achieved in installation where the co-axial arrangement allows integration of the gearing with customers' machinery. Our services also include the preparation of detailed design proposals and feasibility studies aimed at optimising the overall system to suit your precise needs.

Gearboxes/transmission systems are tested and developed in our well equipped test facility which is also available for testing customer's transmissions. Full load 'back to back' testing is available up to 4000kW. Extensive health monitoring equipment is used, based around the latest Bruel & Kjaer equipment. This equipment is portable and we offer a comprehensive on site maintenance service specifically for customers' test facilities.

**QUALITY APPROVALS/AWARDS**

- BS EN ISO 9001:2000 Quality Management System

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